

Materials List for:

# An *In Vitro* Caseum Binding Assay that Predicts Drug Penetration in Tuberculosis Lesions

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URL: <https://www.jove.com/video/55559>

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## Materials

Name	Company	Catalog Number	Comments
New Zealand White Rabbits	Covance	-	
HN878 Mycobacterium tuberculosis	BEI Resources	NR-13647	
Ketathesia (Ketamine) 100 mg/mL C3N	Henry Schein Animal Health	56344	
Anased (Xylazine) 100 mg/mL	Henry Schein Animal Health	33198	
Euthasol (pentobarbital sodium and phenytoin sodium) Solution	Virbac	710101	
THP-1 monocytic cell line	ATCC	ATCC TIB-202	
175 cm <sup>2</sup> TC-Treated Flask (T175)	Fisher Scientific	T-3400-175	
RPMI 1640 media w/o glutamine	Fisher Scientific	MT-15-040-CV	
Hyclone Fetal Bovine Serum, Gamma irradiated	Fisher Scientific	SH3091003IR	
Hyclone L-glutamine, 200 mM	Fisher Scientific	SH3003401	
Cellstar TC dish, 145 mm x 20 mm, vented	Fisher Scientific	T-2881-1	
Phorbol 12-myristate 13-acetate (PMA)	Fisher Scientific	BP685-1	
Ethylenediaminetetraacetic acid	Sigma	E6758	
Oleic acid	Fisher Scientific	ICN15178101	
Pierce RED Device Reusable Base Plate	Fisher Scientific	PI-89811	
Pierce RED Device Inserts, 50/box	Fisher Scientific	PI-89809	
Pierce RED insert removal tool	Fisher Scientific	89812	
Adhesive plate seal	Fisher Scientific	08-408-240	
PBS, pH 7.4, 10x 500 mL (Gibco)	Life Technologies	10010-049	
DMSO	Sigma	472301	
Acetonitrile	Sigma	34998	
Methanol	Sigma	34860	
Verapamil hydrochloride	Sigma	V4629	
Diclofenac sodium salt	Sigma	93484	
Trypan Blue Solution, 0.4%	Fisher Scientific	15-250-061	
Ethanol, 200 proof	Fisher Scientific	04-355-451	
2010 Geno/Grinder	SPEX SamplePrep	2010	
Bead Mill Homogenizer Accessory, Metal Bulk Beads	Fisher Scientific	15-340-158	

484R Cobalt 60 Irradiator	JL Shepard	7810-484-1	
INCYTO C-Chip Disposable Hemacytometers	Fisher Scientific	22-600-100	
Upright Light Microscope	Leica	DM1000	
Binary Liquid Chromatography system	Agilent	1260	Multi-component
Mass spectrometer	AB Sciex	4000	